

## KEY MANAGEMENT DECISIONS REQUIRING SCIENCE INPUT AT THE END OF STAGE 1

### Primary Decision:

Have stage 1 actions taken under the preferred alternative moved listed fish species toward recovery and improved water supply reliability and drinking water quality? If not, does present information indicate that additional surface storage or an isolated facility (or other north Delta intake option) should be constructed?

### Ecosystem Restoration:

- 1) Is it possible to regulate take of endangered species at the pumps such that predictable population and/or recovery goals are met while providing water supply reliability?
- 2) Are the desired biological effects of an Environmental Water Account being attained?
- 3) Does the establishment and restoration of aquatic and riparian habitat result in movement toward recovery of listed species?
- 4) Has screening of the export facilities and/or delta Ag diversions been found feasible and beneficial to move listed fish toward recovery.

### Water Quality:

- 5) Are within-delta actions (e. g., DCC reoperation, Hood-Mokelumne diversion, reducing delta island drainage, etc.) necessary to improve source water quality and feasible for protecting fish?
- 6) Are there feasible treatment actions that can maintain disinfection while reducing disinfection byproducts?

### Water Supply Reliability:

- 7) Has water supply reliability been provided by Stage 1 actions (increased ground water storage, water use efficiency, and south delta barrier and channel modifications) such that additional surface water storage is not needed?

### Levee System Stability

- 8) Are the water-supply risks of levee failures induced by earthquakes acceptable, or are other actions required?
- 9) Are the levee stability risks of continued island subsidence acceptable, or are other actions required?

Draft  
4/18/00